

# 80 PLUS Verification and Testing Report

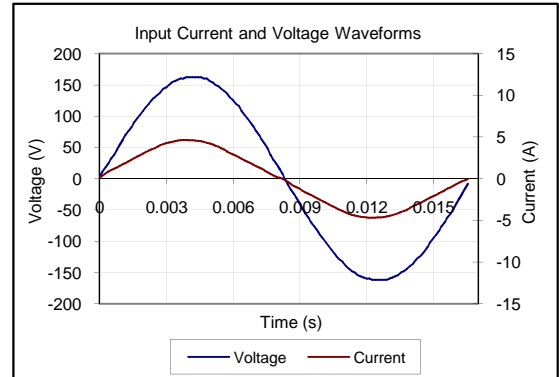


<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>85.25%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>83.60%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	248a
<b>Manufacturer</b>	SPI
<b>Model Number</b>	SPI270LE2
<b>Serial Number</b>	N/A
<b>Year</b>	2007
<b>Type</b>	ATX
<b>Test Date</b>	2007/6/5

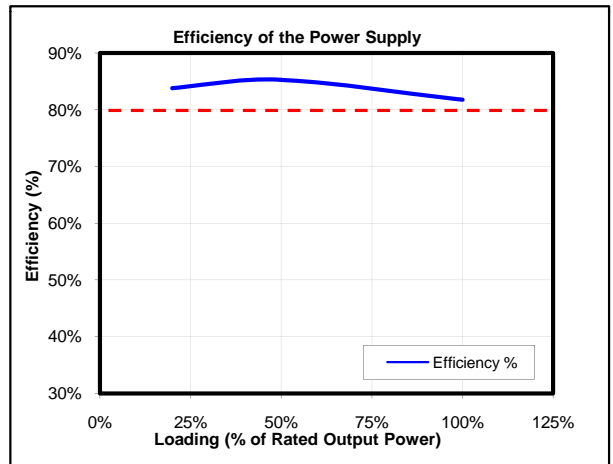
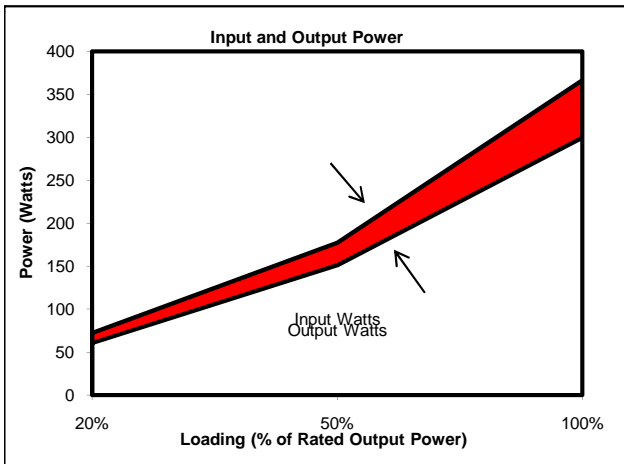
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	5	Amps
Input Frequency	60-50	Hz
<b>Rated Output Power</b>	<b>300</b>	<b>Watts</b>

Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 7.27%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V) / DC Load Current (A)					Output Watts	Efficiency %
						12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V*	5VSB		
0.64	0.99	7.0%	20%	Light	72	12.2/3.3	11.3/0.2	3.3/1.8	5.1/2	5/0.5	61	83.77%
1.55	0.99	7.3%	50%	Typical	177	12.3/8.2	11.2/0.4	3.3/4.6	5/5.1	4.9/1.3	151	85.25%
3.20	1.00	6.1%	100%	Full	367	12.2/16.3	11.2/0.8	3.3/9.1	4.9/10.3	4.9/2.5	300	81.79%



These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.



Tested by Electric Power Research Institute, Knoxville, TN.